

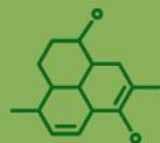


Government of India
Ministry of Science & Technology
Department of Biotechnology



ONE DAY ONE GENOME

Acinetobacter kanungonis



Degradation pathway genes



Ecological versatility



Isolated from the skin of
freshwater pufferfish collected
from the Mahanadi River in India

Table 1: Assembly Details		Table 2: Annotated Genome Features	
Contigs	34	CDS	3,344
GC Content	41.97	tRNA	66
Contig L50	5	Repeat Regions	3
Genome length	3,506,843 bp	rRNA	0
Contig N50	265,534		

Table 3: Antimicrobial Resistance Genes	
AMR Mechanism	Genes
Antibiotic target in susceptible species	Alr, Ddl, dxr, EF-G, EF-Tu, folA, Dfr, folP, gyrA, gyrB, inhA, fabI, Iso-tRNA, MurA, rho, rpoB, rpoC, S10p, S12p
Efflux pump conferring antibiotic resistance	EmrAB-TolC, MacA, MacB, MdfA/Cmr, TolC/OpmH
Regulator modulating expression of antibiotic resistance genes	OxyR
Protein modulating permeability to antibiotic	OprB, OprD family
Protein altering cell wall charge conferring antibiotic resistance	GdpD, PgsA

